

## Exhibit 300: Capital Asset Summary

### Part I: Summary Information And Justification (All Capital Assets)

#### Section A: Overview & Summary Information

**Date Investment First Submitted:** 2009-06-30  
**Date of Last Change to Activities:** 2011-10-26  
**Investment Auto Submission Date:** 2012-02-23  
**Date of Last Investment Detail Update:** 2012-02-23  
**Date of Last Exhibit 300A Update:** 2012-03-13  
**Date of Last Revision:** 2012-03-13

**Agency:** 007 - Department of Defense      **Bureau:** 17 - Department of the Navy

**Investment Part Code:** 02

**Investment Category:** 00 - Agency Investments

**1. Name of this Investment:** Joint Tactical Radio System (JTRS) - HANDHELD, MANPACK, AND SMALL FORM FIT RADIOS (HMS)

**2. Unique Investment Identifier (Ull):** 007-000000342

#### Section B: Investment Detail

- 1. Provide a brief summary of the investment, including a brief description of the related benefit to the mission delivery and management support areas, and the primary beneficiary(ies) of the investment. Include an explanation of any dependencies between this investment and other investments.**

The Joint Tactical Radio System (JTRS) is the Department of Defense (DoD) family of common software-defined programmable radios that form the foundation of a seamless information network supporting Joint Vision 2020 objectives. JTRS, a key enabler of tactical military communications, will provide critical transformational communications capabilities across the spectrum of operations in a Joint environment. The JTRS Handheld, Manpack, and Small Form Fit (HMS) program complies with the information technology standards contained in the DoD IT Standards Registry (DISR). Those standards embrace commercial open architectures and modular designs to deliver multiple communications means and network functions from a single platform. JTRS HMS provides military commanders with the flexibility to command, control and communicate with their forces via voice, video, and data media forms, during all aspects of military operations. JTRS HMS will operate in existing manned and/or unmanned/unattended vehicles, ships, and aircraft, as well as embedded into planned future systems in conformance with applicable requirements and across Service boundaries. JTRS HMS radios will be compliant with the JTRS Software Communications Architecture. JTRS HMS will provide graduated levels of capabilities to fit the users' needs. The Small Form Fit (SFF) radios will be embedded within Multi-Service platforms. Increment 1 of the JTRS HMS program consists of the following form factors: AN/PRC-154 Rifleman

Radio, AN/PRC-155 Manpack and SFF embedded sets in both 1 and 2 channel configurations. JTRS HMS planned accomplishments for FY13 include completion of Increment 1, Phase 2 Full Rate Production (FRP). Key events planned for the 2 Channel Manpack for FY13 are Increment 1, Phase 2 Contractor Development Test (CDT) with Mobile User Objective System (MUOS) Applique"; Increment 1, Phase 2 National Security Agency (NSA) Certification; Increment 1, Phase 2 In-Process Review (IPR); Increment 1, Phase 2 Multi-service Operational Test and Evaluation (MOTE) with WIN-T IOTE; Increment 1, Phase 2 Government Development Test (GDT) Part 2; Increment 1, Phase 2 Hot Climate Testing.

**2. How does this investment close in part or in whole any identified performance gap in support of the mission delivery and management support areas? Include an assessment of the program impact if this investment isn't fully funded.**

This investment closes the mission delivery gap for interoperable tactical radio communications systems in support of Joint military operations. Existing tactical radio systems were designed with mutually exclusive architectures to perform specific tasks; generally cannot interoperate except with like radios operating a single waveform on a single frequency band; are not capable of simultaneous voice, video, and data operations; and lack the ability to conduct complex network management and facilitate inter-Service interoperability. JTRS HMS closes this gap by delivering modular, multi-band, multi-mode radios providing Joint interoperable, mobile ad-hoc networked communications connectivity for warfighters at the tactical level. JTRS HMS is designed to provide secure communication links into the network for small, power-disadvantaged platforms and the Soldier.

**3. Provide a list of this investment's accomplishments in the prior year (PY), including projects or useful components/project segments completed, new functionality added, or operational efficiency achieved.**

Conducted Increment 1, Phase 2 Contractor Development Test(CDT) Conducted AN/PRC-154 Increment 1, Phase 1 Government Development Test(GDT) Part 2 Conducted Two Channel Manpack Increment 1, Phase 2 Government Development Test(GDT) Part 1 Conducted Two Channel Manpack Increment 1, Phase 2 Field Experiment(FE) Part 1 Conducted AN/PRC-154 Increment 1, Phase 1 Field Experiment(FE) Part 2 Conducted Two Channel Manpack Increment 1, Phase 2 Limited User Test(LUT) Conducted Max Power(MP) Customer Test/Network Excursion Conducted AN/PRC-154 Verification of Correction of Deficiencies(VCD) Conducted Security Verification Test(SVT) for AN/PRC-154 Delivery of MUOS HPA Pre-Engineering Development Models(EDMs) Conducted AN/PRC-154 Increment 1, Phase 1 National Security Agency(NSA) Certification Conducted Increment 1, Phase 1 AN/PRC-154 with Low Rate Initial Production(LRIP) Phase 1 & Incr. 1, Phase 2 Two Channel Manpack with Low Rate Initial Production(LRIP) Phase 2 Milestone C award.

**4. Provide a list of planned accomplishments for current year (CY) and budget year (BY).**

Increment 1, Phase 2 National Security Agency (NSA) Certification for Two Channel Manpack Conduct Increment 1, Phase 2 Contractor Development Test (CDT) for Two Channel Manpack with MUOS Applique" Conduct Increment 1, Phase 2 Full Rate Production (FRP) In-process Review for Two Channel Manpack Delivery of MUOS Applique" Engineering Development Models (EDMs) Delivery of AN/PRC-154 Low Rate Initial

Production (LRIP) units Delivery of Two Channel Manpack Low Rate Initial Production (LRIP) units Begin Full Rate Production (FRP) for AN/PRC-154 Conduct Increment 1, Phase 2 Field Experiment (FE) Part 2 for Two Channel Manpack Conduct Increment 1, Phase 2 Government Development Test (GDT) Part 2 for Two Channel Manpack Conduct Increment 1, Phase 2 Multi-service Operational Test and Evaluation (MOTE) for Two Channel Manpack Conduct Government Development Test 2.2 and 2.3 (GDT) for AN/PRC-154 Conduct initial Operational Test and Evaluation (IOTE) for AN/PRC-154 Conduct Increment 1, Phase 2 Contractor Demonstration Test (CDT) for Two Channel Manpack Conduct Initial Operation Capability (IOC) for AN/PRC-154 Conduct Cold and Hot Climate Testing for AN/PRC-154 Conduct Increment 1, Phase 2 Hot Climate Testing for Two Channel Manpack Conduct Delta Multi-service Operational Test and Evaluation (MOTE) with WIN-T IOTE for Two Channel Manpack. Continue to procure Low Rate Initial Production (LRIP) radios with procurement funding to ramp up production line Conduct Increment 1, Phase 2 Government Development Test (GDT) for Two Channel Manpack with MUOS Applique" Increment 1, Phase 2 National Security Agency (NSA) Certification for Two Channel Manpack w/ MUOS Delivery of Two Channel Manpack Low Rate Initial Production (LRIP) units Delivery of AN/PRC-154 Low Rate Initial Production (LRIP) units Begin Full Rate Production (FRP) for Two Channel Manpack Conduct Initial Operation Capability (IOC) for Two Channel Manpack Conduct Government Development Test (GDT) Regression w/MUOS for Two Channel Manpack Conduct Follow-On Operational Test and Evaluation (FOTE) w/MUOS for Two Channel Manpack Conduct Increment 1, Phase 2 Contractor Demonstration Test (CDT) for Two Channel Manpack Procure Production radios with procurement funds Conduct Increment 1, Phase 2 Cold Climate Testing for Two Channel Manpack Conduct Government Development Test (GDT) Regression with MUOS for Two Channel Manpack.

5. **Provide the date of the Charter establishing the required Integrated Program Team (IPT) for this investment. An IPT must always include, but is not limited to: a qualified fully-dedicated IT program manager, a contract specialist, an information technology specialist, a security specialist and a business process owner before OMB will approve this program investment budget. IT Program Manager, Business Process Owner and Contract Specialist must be Government Employees.**

2004-05-11

## Section C: Summary of Funding (Budget Authority for Capital Assets)

1.

Table I.C.1 Summary of Funding

	PY-1 & Prior	PY 2011	CY 2012	BY 2013
Planning Costs:	\$0.0	\$0.0	\$0.0	\$0.2
DME (Excluding Planning) Costs:	\$894.0	\$290.1	\$580.8	\$657.8
DME (Including Planning) Govt. FTEs:	\$0.0	\$0.0	\$0.1	\$0.1
Sub-Total DME (Including Govt. FTE):	\$894.0	\$290.1	\$580.9	\$658.1
O & M Costs:	\$0.0	\$0.0	\$0.0	\$0.0
O & M Govt. FTEs:	\$0.0	\$0.0	\$0.2	\$0.2
Sub-Total O & M Costs (Including Govt. FTE):	0	0	\$0.2	\$0.2
Total Cost (Including Govt. FTE):	\$894.0	\$290.1	\$581.1	\$658.3
Total Govt. FTE costs:	0	0	\$0.3	\$0.3
# of FTE rep by costs:	0	0	3	3
Total change from prior year final President's Budget (\$)		\$175.7	\$-52.8	
Total change from prior year final President's Budget (%)		154.00%	-8.00%	

**2. If the funding levels have changed from the FY 2012 President's Budget request for PY or CY, briefly explain those changes:**

PY (FY11) RDT&E \$26.645M increase: correction of PB12 administrative error (reported under AMF JTRS). Procurement \$149.025M increase: actual \$21.648M decrease from Congressional OPA reduction (offset by GMR JTRS realignment) and Navy OPN reduction; apparent \$170.673M OPAF increase is Air Force administrative error. CY (FY12) RDT&E \$63.063M decrease: Congressional reduction. Procurement \$10.019M increase: Congressional reductions to OPN and OPAF, offset by Air Force funds realignment.

## Section D: Acquisition/Contract Strategy (All Capital Assets)

Table I.D.1 Contracts and Acquisition Strategy

Contract Type	EVM Required	Contracting Agency ID	Procurement Instrument Identifier (PIID)	Indefinite Delivery Vehicle (IDV) Reference ID	IDV Agency ID	Solicitation ID	Ultimate Contract Value (\$M)	Type	PBSA ?	Effective Date	Actual or Expected End Date
Awarded		<a href="#">W15P7T04CE405</a>									
Awarded		<a href="#">W15P7T04CE405</a>									
Awarded		<a href="#">W15P7T04CE405</a>									

**2. If earned value is not required or will not be a contract requirement for any of the contracts or task orders above, explain why:**

DOD policy (DoDI 5000.2, Operations of the Defense Acquisition System, 8 December 2008, Enclosure 4, Table 5 and (IAW) Department of Defense (DOD) policy dated 7 Mar 2005, Revision to DOD Earned Value Management Policy) does not require the use of Earned Value Management (EVM) on Firm Fixed Price (FFP) including contracts, intra-government work agreements, and other agreements regardless of dollar value, and EVM is not required for cost or incentive contracts less than \$20M in then-year dollars. Although no formulized EVM is used the program manager will review cost, schedule and the overall investment performance information on a regular basis.

## Exhibit 300B: Performance Measurement Report

### Section A: General Information

**Date of Last Change to Activities:** 2011-10-26

### Section B: Project Execution Data

**Table II.B.1 Projects**

Project ID	Project Name	Project Description	Project Start Date	Project Completion Date	Project Lifecycle Cost (\$M)
P0342-101	System Development and Demonstration - HMS post-Spiral 1 development to initial decision (Milestone C).	The contracting activity development completion planned in FY11. The final Integrated Operational Test and Evaluation will occur in FY12.			
P0342-102	Low Rate Initial Production (LRIP) - LRIP will begin in FY11 and continue through FY14.	HMS radios are divided into 2 phases with two 1-year LRIP options per phase. Phase 1 LRIP will produce 14,592 radios and Phase 2 LRIP will produce 4,782 radios.			
P0342-104	Operations and Support (O&S) during the production phase of the program.	To support those radios that have been in the field.			

### Activity Summary

Roll-up of Information Provided in Lowest Level Child Activities

Project ID	Name	Total Cost of Project Activities (\$M)	End Point Schedule Variance (in days)	End Point Schedule Variance (%)	Cost Variance (\$M)	Cost Variance (%)	Total Planned Cost (\$M)	Count of Activities
P0342-101	System Development and Demonstration - HMS post-Spiral 1							

## Activity Summary

Roll-up of Information Provided in Lowest Level Child Activities

Project ID	Name	Total Cost of Project Activities (\$M)	End Point Schedule Variance (in days)	End Point Schedule Variance (%)	Cost Variance (\$M )	Cost Variance (%)	Total Planned Cost (\$M)	Count of Activities
	development to initial decision (Milestone C).							
P0342-102	Low Rate Initial Production (LRIP) - LRIP will begin in FY11 and continue through FY14.							
P0342-104	Operations and Support (O&S) during the production phase of the program.							

## Key Deliverables

Project Name	Activity Name	Description	Planned Completion Date	Projected Completion Date	Actual Completion Date	Duration (in days)	Schedule Variance (in days )	Schedule Variance (%)
--------------	---------------	-------------	-------------------------	---------------------------	------------------------	--------------------	------------------------------	-----------------------

NONE

Section C: Operational Data

Table II.C.1 Performance Metrics								
Metric Description	Unit of Measure	FEA Performance Measurement Category Mapping	Measurement Condition	Baseline	Target for PY	Actual for PY	Target for CY	Reporting Frequency

NONE